

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Edgar Bolin et al.  
 Appl. No.: PCT/DE2003/002263  
 Title: METHOD AND TRANSMISSION DEVICE FOR TRANSMISSION OF DATA  
 IN A MULTI-CARRIER SYSTEM  
 Docket No.: 112740-1058

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited below, and on the attached PTO-1449 form, copies of which are enclosed, be made during the course of examination of the above-identified application for United States patent.

**U.S. PATENT DOCUMENTS**

<u>Document No.</u>	<u>Date</u>	<u>Inventor</u>
5,790,516	8-4-98	Gudmundson et al.
5,848,107	12-8-98	Philips
6,292,462 B1	9-18-01	Cook et al.
2002/0105901 A1	8-8-02	Chini et al.

**FOREIGN PATENT DOCUMENTS**

<u>Document No.</u>	<u>Date</u>	<u>Country</u>
0 562 868	9-29-93	European
DE 195 20 353	12-12-96	Germany
EP 0 938 208	8-2-99	European
DE 199 34 669	3-15-01	Germany
DE 101 29 317	1-23-03	Germany
DE 199 00 324		Germany

**OTHER DOCUMENTS**

Patent Abstracts of Japan 11103285 – 4-13-99

Patent Abstracts of Japan 10032558 – 2-3-98

IEEE Transactions on Signal Processing, Vol. 50, No. 1, Jan. 2002 – pages 119-129

Vahlin et al., Optimal Finite Duration Pulses for OFDM, IEEE Transactions on Communications, Vol. 44, No. 1, Jan. 1996, pages 10-14

Armstrong, Analysis of New and Existing Methods of Reducing Intercarrier Interference Due to Carrier Frequency Offset in OFDM, IEEE Transactions On Communications, Vol. 47, No. 3, March 1999, pages 365-369

Slimane, "OFDM schemes with non-overlapping time waveforms" Vehicular Technology Conference, 1998, pages 2067-2071

Vahlin et al., Optimal Finite Duration Pulses for OFDM, Proceedings of the Global Telecommunications Conference (Globecom), San Francisco, Nov. 28 – Dec. 2, 1994, New York, pages 258-262

German language references DE 195 20 353, DE 199 34 669, DE 101 29 317 and DE 199 00 324 are provided with attached English abstracts. Accordingly, no further statement is believed necessary.

Applicants look forward to early and favorable consideration of this matter.

Respectfully submitted,

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Dated: February 25, 2005

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)  PTO Form 1449	Atty Docket No. 112740-1058	Application No. PCT/DE2003/002263
	Applicant Bolinth et al.	
	Filing Date	Group

U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
		5,790,516	8-4-98	Gudmundson et al.			
		5,848,107	12-8-98	Philips			
		6,292,462	9-18-01	Cook et al.			
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							Yes	No
		0 562 868	9-29-93	European				
		DE 195 20 353	12-12-96	Germany				
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		DE 199 34 669	3-15-01	Germany				
		DE 101 29 317	1-23-03	Germany				
		DE 199 00 324		Germany				

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		Patent Abstracts of Japan 11103285 – 4-13-99
		Patent Abstracts of Japan 10032558 – 2-3-98
		IEEE Transactions on Signal Processing, Vol. 50, No. 1, Jan. 2002 – pages 119-129

Examiner:	Date Considered:
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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10/525606

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Vahlin et al., Optimal Finite Duration Pulses for OFDM, IEEE Transactions on Communications, Vol. 44, No. 1, Jan. 1996, pages 10-14
	Armstrong, Analysis of New and Existing Methods of Reducing Inter-carrier Interference Due to Carrier Frequency Offset in OFDM, IEEE Transactions On Communications, Vol. 47, No. 3, March 1999, pages 365-369
	Slimane, "OFDM schemes with non-overlapping time waveforms" Vehicular Technology Conference, 1998, pages 2067-2071
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